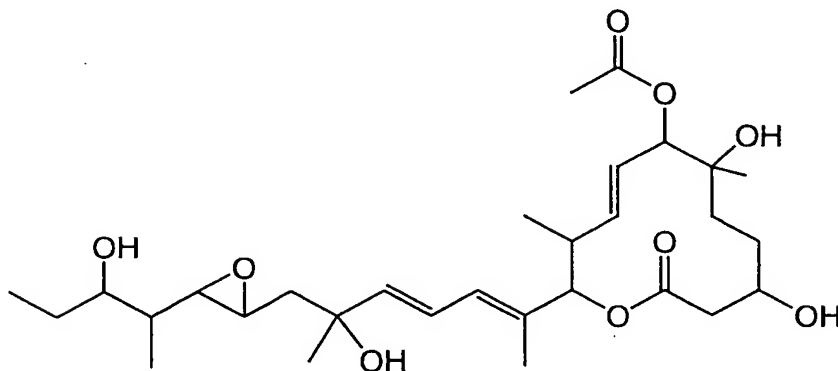
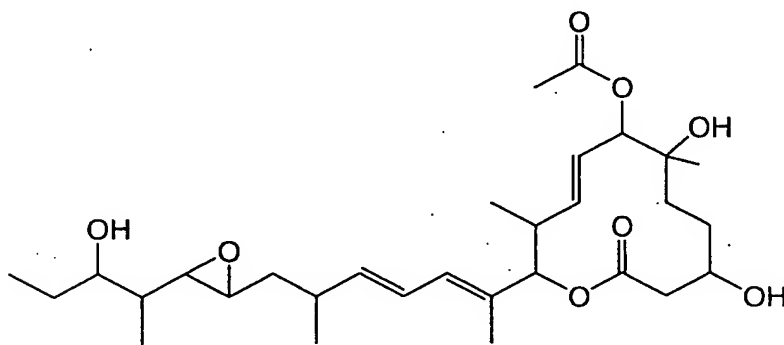


Claims

1. A method of producing the macrolide compound 11107D represented by the formula (II):



wherein the macrolide compound 11107D is produced from the macrolide compound 11107B represented by the formula (I):



by a biological transformation method, which comprises the following processes (A) and (B):

(A) a process of incubating the macrolide compound 11107B represented by the formula (I) in the presence of a strain having an ability of conducting the above-mentioned biological

transformation method and belonging to the genus *Mortierella*, the genus *Streptomyces* or the family *Micromonosporaceae* or a preparation of its cultured mycelia; and

(B) a process of collecting the macrolide compound 11107D represented by the formula (II) from the incubated solution obtained in the step (A).

2. The production method according to claim 1, wherein the strain belonging to the genus *Mortierella* is *Mortierella* sp. F-1529 strain (FERM BP-8547) or F-1530 strain (FERM BP-8548).

3. The production method according to claim 1, wherein the strain belonging to the genus *Streptomyces* is *Streptomyces* sp. AB-1704 strain (FERM BP-8551), A-1544 strain (FERM BP-8446) or A-1545 strain (FERM BP-8447).

4. The production method according to claim 1, wherein the strain belonging to the family *Micromonosporaceae* is AB-1896 strain (FERM BP-8550).

5. *Streptomyces* sp. AB-1704 strain (FERM BP-8551) having the ability of transforming the macrolide compound 11107B represented by the above formula (I) into the macrolide compound 11107D represented by the above formula (II).

6. *Mortierella* sp. F-1529 strain (FERM BP-8547) or F-1530 strain (FERM BP-8548) having the ability of transforming the macrolide compound 11107B represented by the above formula (I) into the macrolide compound 11107D represented by the above formula (II).

7. AB-1896 strain (FERM BP-8550) having the ability of

transforming the macrolide compound 11107B represented by the above formula (I) into the macrolide compound 11107D represented by the above formula (II).